

PE NUMBER: 0401218F

UNCLASSIFIED

PE TITLE: KC-135 Squadrons

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE February 1999		
BUDGET ACTIVITY 7 - Operational System Development				PE NUMBER AND TITLE 0401218F KC-135 Squadrons				PROJECT 4494		
COST (\$ In Thousands)	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
4494 KC-135 Aging Aircraft Program	1,770	1,090	2,268	492	488	494	504	516	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

(U) **A. Mission Description**
 This program, in part, supports the aging aircraft corrosion and fatigue project CORAL REACH. CORAL REACH studies include the analysis and testing efforts in the area of aging aircraft, to include structural, corrosion, fatigue, and stress corrosion cracking. Additionally, the Functional System Integrity Program proactively examines individual aircraft systems for potential impacts due to aging components. The USAF will utilize these activities to improve KC-135 Programmed Depot Maintenance efficiency and to provide direction for future aging aircraft efforts to maintain the KC-135 as a viable airframe. CORAL REACH results provide accurate data for incorporation into the KC-135 Economic Life Study planned for FY00. The KC-135 Economic Life Study consists of studies for structure, systems, and component support as well as cost benefit analyses to support an Analysis of Alternatives (AOA). The AOA addresses replacement schedules for the KC-135 based on economic decision points.

(U) FY 1998 (\$ in Thousands):

- (U) 200 Corrosion/crack growth rate and fatigue determination and testing
- (U) 390 Basic materials test and predictive technique
- (U) 950 Functional Systems Integrity Program (FSIP)
- (U) 230 Mission support/contractor support
- (U) \$1,770 Total

(U) FY 1999 (\$ in Thousands):

- (U) 300 Corrosion/crack growth rate and fatigue determination and testing
- (U) 500 Functional Systems Integrity Program (FSIP)
- (U) 257 Mission support/contractor support
- (U) 33 Identified as a source for SBIR
- (U) \$1,090 Total

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<p>(U) <u>FY 2000 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> – (U) \$250 Corrosion/crack growth rate and fatigue determination and testing – (U) \$660 Functional Systems Integrity Program (FSIP) – (U) \$358 Mission support/contractor support – (U) \$1,000 Economic Service Life Study – (U) \$2,268 Total <p>(U) <u>FY 2001 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> – (U) \$300 Functional Systems Integrity Program (FSIP) – (U) \$192 Mission support/contractor support – (U) \$492 Total <p>(U) <u>B. Budget Activity Justification:</u></p> <p>This effort is a low technical risk effort supporting a fielded weapon system and, therefore, is assigned to Budget Activity 7, Operational Systems Development.</p> <p>(U) <u>C. Program Change Summary (\$ in Thousands)</u></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 10%; text-align: center;"><u>FY 1998</u></th> <th style="width: 10%; text-align: center;"><u>FY 1999</u></th> <th style="width: 10%; text-align: center;"><u>FY 2000</u></th> <th style="width: 10%; text-align: center;"><u>FY 2001</u></th> <th style="width: 20%; text-align: center;"><u>Total Cost cont</u></th> </tr> </thead> <tbody> <tr> <td>(U) Previous President's Budget (FY1999 PB)</td> <td style="text-align: right;">1,863</td> <td style="text-align: right;">11,093</td> <td style="text-align: right;">2,310</td> <td style="text-align: right;">501</td> <td></td> </tr> <tr> <td>(U) Appropriated Value</td> <td style="text-align: right;">1,992</td> <td style="text-align: right;">1,093</td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Adjustments to Appropriated Value</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> a. Congressional/General Reductions</td> <td style="text-align: right;">-90</td> <td style="text-align: right;">-3</td> <td></td> <td></td> <td></td> </tr> <tr> <td> b. SBIR</td> <td style="text-align: right;">-39</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> c. Omnibus or Other Above Threshold Reprogram</td> <td style="text-align: right;">-13</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> d. Below Threshold Reprogramming</td> <td style="text-align: right;">-80</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Adjustments to Budget Years Since FY 1999 PB</td> <td></td> <td></td> <td style="text-align: right;">-42</td> <td style="text-align: right;">-9</td> <td style="text-align: right;">cont</td> </tr> <tr> <td>(U) Current Budget Submit/FY2000 President's Budget</td> <td style="text-align: right;">1,770</td> <td style="text-align: right;">1,090</td> <td style="text-align: right;">2,268</td> <td style="text-align: right;">492</td> <td style="text-align: right;">cont</td> </tr> <tr> <td>(U) Significant Program Changes:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> FY99: \$33 identified as a source for SBIR</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Total Cost cont</u>	(U) Previous President's Budget (FY1999 PB)	1,863	11,093	2,310	501		(U) Appropriated Value	1,992	1,093				(U) Adjustments to Appropriated Value						a. Congressional/General Reductions	-90	-3				b. SBIR	-39					c. Omnibus or Other Above Threshold Reprogram	-13					d. Below Threshold Reprogramming	-80					(U) Adjustments to Budget Years Since FY 1999 PB			-42	-9	cont	(U) Current Budget Submit/FY2000 President's Budget	1,770	1,090	2,268	492	cont	(U) Significant Program Changes:						FY99: \$33 identified as a source for SBIR					
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<div style="display: flex; justify-content: space-between;"> Project 4494 Page 2 of 6 Pages Exhibit R-2 (PE 0401218F) </div>																																																																										

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BUDGET ACTIVITY 7 - Operational System Development	PE NUMBER AND TITLE 0401218F KC-135 Squadrons	
PROJECT 4494		
(U) D. <u>Other Program Funding Summary (\$ in Thousands):</u> Not applicable		

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)												DATE February 1999				
BUDGET ACTIVITY 7 - Operational System Development						PE NUMBER AND TITLE 0401218F KC-135 Squadrons						PROJECT 4494				
(U) E. <u>Acquisition Strategy:</u> The acquisition strategy consists primarily of separate task orders (with separate statements of work) ranging from fixed price to cost plus contracts. These task orders address a myriad of aging aircraft activities against existing contract vehicles, such as the SPO-managed KC-135 Fleet Support Contract and Design Engineering Program contracts managed through the Air Logistics Centers.																
(U) F. <u>Schedule Profile</u>																
		<u>FY 1998</u>				<u>FY 1999</u>				<u>FY 2000</u>				<u>FY 2001</u>		
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
(U) Corrosion & Fatigue Testing	*															
(U) Materials Test & Predictive Tech.	*															
(U) FSIP	*															
(U) Mission Support	*															
(U) Begin Economic Service Life Study										X						
Note: * - On-going activities X - Scheduled activities																

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)								DATE February 1999			
BUDGET ACTIVITY 7 - Operational System Development					PE NUMBER AND TITLE 0401218F KC-135 Squadrons			PROJECT 4494			
(U) A. <u>Project Cost Breakdown (\$ in Thousands)</u>											
					<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>			
(U)	Corrosion/crack growth determination and testing				200	300	250	0			
(U)	Basic materials test and predictive technique				390	0	0	0			
(U)	Functional Systems Integrity Program (FSIP)				950	500	660	300			
(U)	Mission support/contractor support				230	257	358	192			
(U)	Economic service life study				0	0	1,000	0			
(U)	Identified as a source for SBIR				0	33	0	0			
(U)	Total				1,770	1,090	2,268	492			
(U) B. <u>Budget Acquisition History and Planning Information (\$ in Thousands)</u>											
Performing Organizations:											
Contractor or Government Performing <u>Activity</u>	Contract Method/Type or Funding <u>Vehicle</u>	Award or Obligation <u>Date</u>	Performing Activity <u>EAC</u>	Project Office <u>EAC</u>	Total Prior to <u>FY 1998</u>	Budget <u>FY 1998</u>	Budget <u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	Budget to Complete	Total Program
Identified as a source for SBIR							33				
<u>Product Development Organizations</u>											
Boeing	C/KC-135 Fleet Support SS/FFP	Oct 97- Mar 01	TBD	TBD	400	1,622	745	1,060	488	continuing	continuing
<u>Support and Management Organizations</u>											
Project 4494											

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)									DATE February 1999		
BUDGET ACTIVITY 7 - Operational System Development					PE NUMBER AND TITLE 0401218F KC-135 Squadrons					PROJECT 4494	
Contractor or Government Performing Activity	Contract Method/Type or Funding Vehicle	Award or Obligation Date	Performing Activity EAC	Project Office EAC	Total Prior to FY 1998	Budget FY 1998	Budget FY 1999	FY 2000	FY 2001	Budget to Complete	Total Program
ARINC, Frontier, other support contractors	Design Engineering Program (DEP) C/FP	Oct 97-Mar 01			0	148	212	1,108	0	continuing	continuing
(U) B. Budget Acquisition History and Planning Information Continued (\$ in Thousands)											
Test and Evaluation Organizations											
FAA, Wright Labs, etc.	Project Order/MPIR	Oct 97-Mar 99			100	0	100	100	0	continuing	continuing
Government Furnished Property: None											
Identified as a source for SBIR							33				
Subtotal Product Development					400	1,622	745	1,060	488	continuing	continuing
Subtotal Support and Management					0	148	212	1,108	0	continuing	continuing
Subtotal Test and Evaluation					100	0	100	100	0	continuing	continuing
Total Project					500	1,770	1,090	2,268	488	continuing	continuing
Project 4494											
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Exhibit R-3 (PE 0401218F)											

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